

**9.  
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	M A R G . G . . . . .	E L S . G V . . . . .	R G . . . . .	A A A . . . . .	A P I S L G	Consensus #1
1	M A R G D G G Q L A . . . . .	- E L S A G V . . . . .	- R G . . . . .	- A A A V D H V A P I S L G	BB1162U S N A S e q I d N o 2	
1	M A R G S G A G G G G G G G L E L S V G V G G A R G G G G E A A A V E T A A P I S L G				BB1162U S N A S e q I d N o 2 6	
1	M A R G D G E L . . . . .	- E L S V G V . . . . .	- R G T G G A A A A D H V A P I S L G	GI 5771354		
R L I L . G M V A G G V Q Y G W A L Q L S L L T P Y V Q T L G L S H A L T S F M W I C G P I A G . V Consensus #1						
	60	70	80	90	100	
33	R L I L A G M V A G G V Q Y G W A L Q L S L L T P Y V V O T L G L S H A L T S F M W I C G P I A G L V				BB1162U S N A S e q I d N o 2	
51	R L I L S G M V A G G V Q Y G W A L Q L S L L T P Y V Q T L G L S H A L T S F M W I C G P I A G M V				BB1162U S N A S e q I d N o 2 6	
36	R L I L A G M V A G G V Q Y G W A L Q L S L L T P Y V Q T L G L S H A L T S F M W I C G P I A G L V				GI 5771354	
V Q P . V G L Y S D R C T . . . W G R R R P . T I L . G C . L I C . A V . V . G F S . D I G . A . G D T Consensus #1						
	110	120	130	140	150	
83	V Q P L V G L Y S D R C T S R W G R R R P F I L T G C M L I C V A V I V V G F S S D I G A A L G D T				BB1162U S N A S e q I d N o 2	
101	V Q P C V G L Y S D R C T S K W G R R R P Y T I T G C V I C L A V V V I G F S A D I G Y A M G D T				BB1162U S N A S e q I d N o 2 6	
86	V Q P L V G L Y S D R C T A R W G R R R P F I L I G C M L I C L A V I V V G F S S D I G A A L G D T				GI 5771354	
K E . C S . Y H G . R W H A A I V Y V L G F W I L D F S N N T V Q G P A R A . M A D L . . . H G P . Consensus #1						
	160	170	180	190	200	
133	K E H C S L Y H G P R W H A A I V Y V L G F W I L D F S N N T V Q G P A R A M M A D L C D H H G P S				BB1162U S N A S e q I d N o 2	
151	K E D C S V Y H G S R W H A A I V Y V L G E M W I L D F S N N T V Q G P A R A L M A D L S G R H G P G				BB1162U S N A S e q I d N o 2 6	
136	K E H C S L Y H G P R W H A A I V Y V L G E M W I L D F S N N T V Q G P A R A M M A D L C G H H G P S				GI 5771354	

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		Consensus #1		
		210	220	230
183	A NS I F C S W M A . G N I L G Y S S G S T N N W H K W F P F L I . T . A C C E A C C A N L K G A F L		240	250
201	T A N S I F C S W M A M G N I L G Y S S G S T N N W H K W F P F L K T R A C C E A C C A N L K G A F L			BB1162USNASeqIdNo2
186	A A N S I F C S W M A L G N I L G Y S S G S T N N W H K W F P F L L T N A C C E A C C A N L K G A F L			BB1162USNASeqIdNo26
	V A V . F L . . C L . . T L . F A . E V P . . . N . . L P T . K . . . . E . E . . G P L A V L K G			GI 5771354
	260	270	280	290
233	V A V F L V L C L T V T L I F A K E V P Y R A N E N L P T T K A G G E V E T E P T G P L A V L K G			BB1162USNASeqIdNo2
251	V A V I F L S L C L V I T L I F A K E V P F K G N A A L P T - K S N E P A E P E G T G P L A V L K G			BB1162USNASeqIdNo26
236	V A V F L V M C L T V T L F F A N E V P Y R G N Q N L P T - K A N G E V E T E P S G P L A V L K G			GI 5771354
	F . . L P . G M P S V L . V T . . T W L S W F P F I L Y D T D W M G R E I Y H G D P K G . . . Q I .			Consensus #1
	310	320	330	340
283	F K D L P P G M P S V L L V T A I T W L S W F P F I L Y D T D W M G R E I Y H G D P K G S N A Q I S			BB1162USNASeqIdNo2
300	F R N L P T G M P S V L L V T G L T W L S W F P F I L Y D T D W M G R E I Y H G D P K G T D P Q I E			BB1162USNASeqIdNo26
285	F K N L P T G M P S V L L V T G L T W L S W F P F I L Y D T D W M G R E I Y H G D P K G S N A Q I S			GI 5771354
	A F . . G V R . G . F G L L I N S . . I G F S S F L I E P M C R K V G P R V V W V T S N F . V C . A			Consensus #1
	360	370	380	390
333	A F N E G V R V G A F G L L I N S V I L G F S S F L I E P M C R K V G P R V V W V T S N F M V C V A			BB1162USNASeqIdNo2
350	A F N Q G V R A G A F G L L I N S V I L G F S S F L I E P M C R K V G P R V V W V T S N F E V C I A			BB1162USNASeqIdNo26
335	A F D E G V R V G S F G L L I N S V I L G F S S F L I E P M C R K V G P R V V W V T S N F M V C V A			GI 5771354

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MAATALISFWSL.D.HG.VQ.AITA..SIKAVCCLVLF A F L G V P L A . L Y S V		Consensus #1
410	420	430
383	MAATALISFWSLR DY H G Y V Q D A I T A N A S I K A V C L V L F A F L G V P L A . L Y S V	BB1162USNASeqIdNo2
400	MAATALISFWSLKDFHGT V Q K A I T A D K S I K A V C L V L F A F L G V P L A V L Y S V	BB1162USNASeqIdNo26
385	MAATALISFWSLKDYHGYVQ D A I T A S T S I K A V C L V L F A F L G V P L A I L Y S V	GI 5771354
PFAVTAQLAAT.GGGQGLCTGVLNISIVIPQV.IALGAGPWD.LFGKGNI		Consensus #1
460	470	480
433	PFAVTAQLAATRGQQGLCTGVLNISIVIPQVIALGAGPWDALFGKGNI	BB1162USNASeqIdNo2
450	PFAVTAQLAATRGQQGLCTGVLNISIVIPQVIALGAGPWDALFGKGNI	BB1162USNASeqIdNo26
435	PFAVTAQLAATKGQQGLCTGVLNISIVIPQVIALGAGPWDALFGKGNI	GI 5771354
PAGF.AS.FAL.GGV.G.FLLPKISKRF..VS..GGH		Consensus #1
510	520	530
483	PAGFVA S A F A L V G G V F I L P K I S K R Q F R A V S - A G G H	BB1162USNASeqIdNo2
500	PAGFGLASS G F A L I G G V A G I F I L P K I S K R Q F W S V S M G G H	BB1162USNASeqIdNo26
485	PAGFVA S G F A L I G G V M G V F I L P K I S K R Q F R A V S - A G G H	GI 5771354

**Consensus #1:** When all match the residue on the Consensus show the residue of the Consensus, otherwise show ' '.

Shade (with black at 40% fill) residues that match the consensus named "Consensus #1" exactly.

Conserved cysteine residues are indicated by boxes.